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(71) Applicant (for all designated States except US): INTEL-
BRAS S.A. INDÚSTRIA DE TELECOMUNICAÇÃO
ELETRÔNICA BRASILEIRA [BR/BR]; ROD. BR101,
S/Nº KM:210, ÁREA INDUSTRIAL, 88104-800 SÃO
JOSÉ - SANTA CATARINA (BR).

(72) Inventor; and

(75) Inventor/Applicant (for US only): COSTA, João Mart-
inho [BR/BR]; BR. 101, S/Nº, KM: 212, ÁREA INDUS-
TRIAL, 88104-800 SÃO JOSÉ (BR).

(74) Agent: DE JESUS, Marcos Aurelio; R: NILO CAIRO
171 3º ANDAR, CENTRO, 80060-050 CURITIBA (BR).

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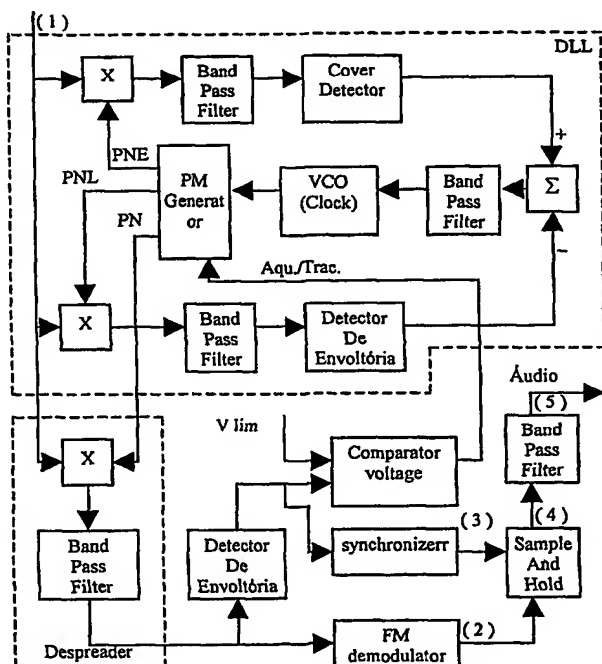
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(54) Title: WIRELESS TELEPHONE WITH SPECTRAL SPREAD IN SAMPLED VOICE



(57) Abstract: A cordless telephone handset and a cordless telephone base station both comprise a transmitter unit and a receiver unit is presented whereby the communication between said handset and said base station is established over a radio link utilizing an analogue based spread spectrum communication technique whereby at the transmitter unit the analogue voice signal is sampled by means of a sample and hold unit, frequency modulated by means of a voltage controlled oscillator (VCO) and the spectrum of said modulated carrier signal is spread by a mixer through a PN sequence, which is produced by a PN sequence generator, thereby producing a spread spectrum frequency modulated carrier signal for transmission over said radio link to the receiver unit whereby at the receiver said spread and frequency modulated carrier signal is received (1) and de-spread by means of a mixer through a PN sequence which is regenerated by means of a delay locked code tracking loop (DLL) and demodulated by means of a frequency demodulator whereby at the receiver unit the analogue voice signal (5) is finally generated by means of a hold circuit and a band pass filter.

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— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

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